

5' GGG CAG CCT CTG CCG GGT TCC GGG AAA AGG AGC TCC TGC TGC CAC TGC TCT TCC

9	18	27	36	45	54
GGG CAG CCT CTG CCG GGT TCC GGG AAA AGG AGC TCC TGC TGC CAC TGC TCT TCC					
63	72	81	90	99	108
GGA GCC TGC AGC ATG GGG CCC CTG CCG CGC ACC GTG GAG CTC TTC TAT GAC GTG					
	M G P L P L P R T V E L F Y D V				
117	126	135	144	153	162
CTG TCC CCC TAC TCC TGG CTG GGC TTC GAG ATC CTG TGC CGG TAT CAG AAT ATC					
L S P Y S W L G F E I L C R Y Q N I					
171	180	189	198	207	216
TGG AAC ATC AAC CTG CAG TTG CGG CCC AGC CTC ATA ACA GGG ATC ATG AAA GAC					
W N I N L Q L R P S L I T G I M K D					
225	234	243	252	261	270
AGT GGA AAC AAG CCT CCA GGT CTG CTT CCC CGC AAA GGA CTA TAC ATG GCA AAT					
S G N K P P G L L L P R K G L Y M A N					
279	288	297	306	315	324
GAC TTA AAG CTC CTG AGA CAC CAT CTC CAG ATT CCC ATC CAC TTC CCC AAG GAT					
D L K L L R H H L L Q I P I H F P K D					
333	342	351	360	369	378
TTC TTG TCT GTG ATG CTT GAA AAA GGA AGT TTG TCT GCC ATG CGT TTC CTC ACC					
F L S V M L E K G S L S A M R F L T					

FIGURE 1A

559TFT "EEETH60

387	GCC GTG AAC	396	TTG GAG CAT	405	CCA GAG ATG	414	CTG GAG AAA	423	CGG TCC	432	GAG CTG TGG
	A V N L E H P		E M L E K A S		R E L W						
441	ATG CGC GTC	450	TGG TCA AGG	459	AAT GAA GAC	468	ATC ACC GAG	477	AGC CAG	486	ATC CTG GCG
	M R V W S R N E D		I T E P Q		S I L A						
495	GCT GCA GAG	504	AAG GCT GGT	513	GCA GAA GAA	522	CAG GCC	531	CTT CTT	540	GAA AAG
	A A E K A G A M S A E Q		A Q A Q G L E K								
549	ATC GCA ACG	558	CCA AAG GTG	567	AAG AAC CAG	576	CTC AAG GAG	585	ACT GAG	594	GCA GCC TGC
	I A T P K V K N Q L K E T T E A C										
603	AGA TAC GGA	612	GCC TTT GGG	621	CTG CCC ATC	630	ACC GTG GCC	639	CAT GTG	648	GCC CAA ACC
	R Y G A F G L P I T V A H V D G Q T										
657	CAC ATG TTA	666	TTT GGC TCT	675	GAC CGG ATG	684	CTG CTG GCG	693	CAC CTG	702	GGA GAG
	H M L F G S D R M E L L A H L L G E										

FIGURE 1B

55977" E24T4460

711	AAG TGG ATG GGC CCT ATA CCT CCA GCC GTG AAT GCC AGA CTT TAA GAT TGC CCG	729	738	747	756
K W M G P I P P A V N A R L					
765	GAG GAA GCA AAC TCT TCG TAT AAA AGC AGG CCA TCT GCT TAA CCC TTG GCT	774	783	792	801
819	CCA CCA TAA GGC AGC TGT GGT GGG ACT CGG ATT TCT CTA TCT GAT AGA GGT ATT TTC TGT	828	837	846	855
873	GGC CCT GGG AGC TGT CTG CTG TCT TTC CCC TAC CCC CAA GGA TGC CAG GAA GAC GTC	882	891	900	909
927	CAC CAT TAG CCA TGT GGC AAC CTT TAC TTC TAT GCC TCA CAA GTG CCT TTC AGA	936	945	954	963
981	GAG CCC CAA TTC TGC TTT CCC ACA AAA TAA ACC TAA TGC CAT CAG GCA AAA CAA	990	999	1008	1017
1035	AAA AAA AAA 3'				

FIGURE 1C

569TF " E24T4460

1	M	G	P	L	P	R	T	V	E	L	F	Y	D	V	L	S	P	Y	S	W	L	G	F	E	I	L	C	R	Y	Q	N	I	W	N	I	N	L	Q	L	R	1554593
1	M	G	P	A	P	R	V	L	E	L	F	Y	D	V	L	S	P	Y	S	W	L	G	F	E	V	L	C	R	Y	Q	H	L	W	N	I	K	L	K	L	R	gi1911749
41	P	S	L	I	T	G	I	M	K	D	S	G	N	K	P	P	G	L	L	P	R	K	G	L	Y	M	A	N	D	L	K	L	L	R	H	H	L	Q	I	P	1554593
41	P	A	L	L	A	G	I	M	K	D	S	G	N	Q	P	P	A	M	V	P	H	K	G	Q	Y	I	L	K	E	I	P	L	L	K	Q	L	F	Q	V	P	gi1911749
81	I	H	F	P	K	D	F	L	S	V	M	L	E	K	G	S	L	S	A	M	R	F	L	T	A	V	N	L	E	H	P	E	M	L	E	K	A	S	R	E	1554593
81	M	S	V	P	K	D	F	F	G	E	H	V	K	K	G	T	V	N	A	M	R	F	L	T	A	V	S	M	E	Q	P	E	M	L	E	K	V	S	R	E	gi1911749
121	L	W	M	R	V	W	S	R	N	E	D	I	T	E	P	Q	S	I	L	A	A	E	K	A	G	M	S	A	E	Q	A	Q	G	L	L	E	K	I	A	1554593	
121	L	W	M	R	I	W	S	R	D	E	D	I	T	E	S	Q	N	I	L	S	A	A	E	K	A	G	M	A	T	A	Q	A	Q	H	L	L	N	K	I	S	gi1911749
161	T	P	K	V	K	N	Q	L	K	E	T	T	E	A	A	C	R	Y	G	A	F	G	L	P	I	T	V	A	H	V	D	G	Q	T	H	M	L	F	G	S	1554593
161	T	E	L	V	K	S	K	L	R	E	T	T	G	A	A	C	K	Y	G	A	F	G	L	P	T	T	V	A	H	V	D	G	K	T	Y	M	L	F	G	S	gi1911749
201	D	R	M	E	L	L	A	H	L	L	G	E	K	W	M	G	P	I	P	P	A	V	N	A	R	L	1554593														
201	D	R	M	E	L	L	A	Y	L	L	G	E	K	W	M	G	P	P	T	L	N	A	R	L	gi1911749																

FIGURE 2

559TTF" E22T460

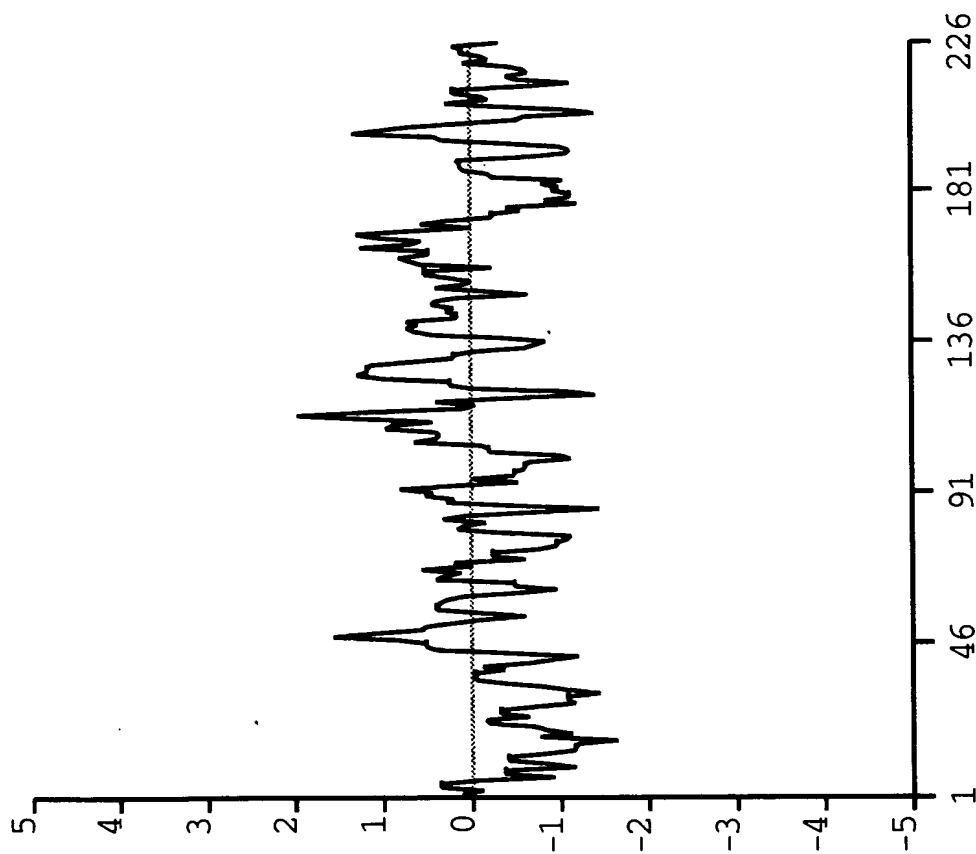


FIGURE3A

56911" E247450

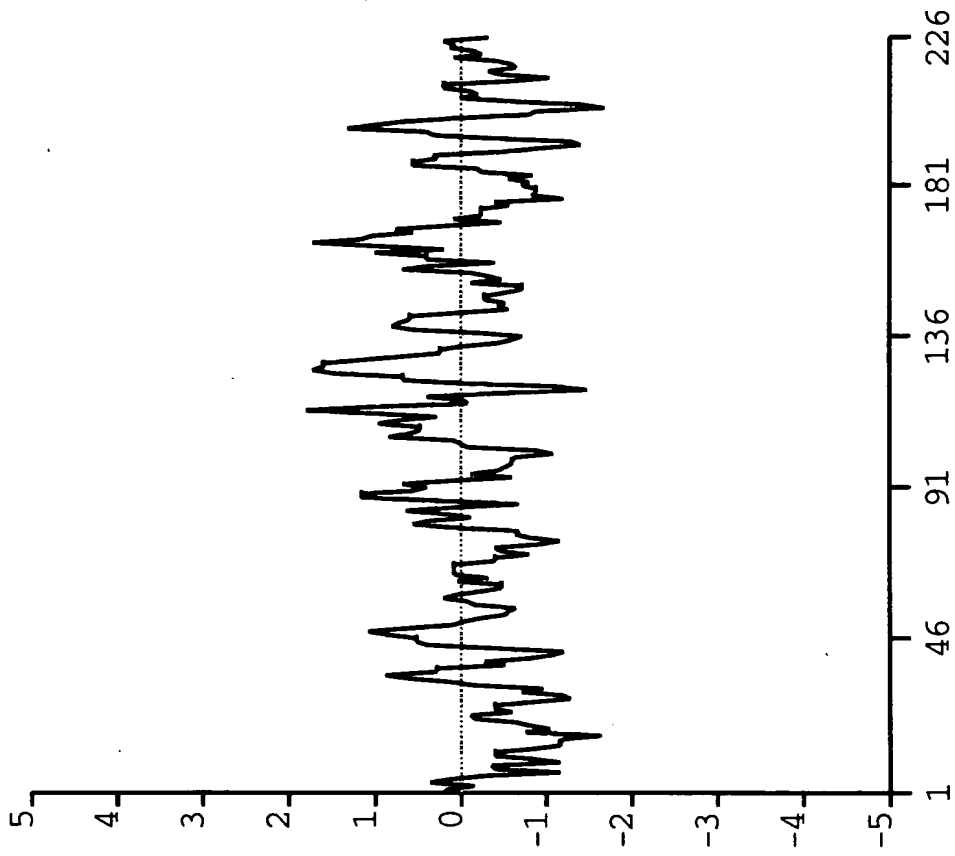


FIGURE3B